

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310013-7

SYROMYATNIKOV, IIA.

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PRINTED BY EASTMAN - 1978

691.311 121.311.13
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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310013-7"

104-4-1-40

AUTHOR: Syromyatnikov, I.A., Doctor of Technical Sciences.

TITLE: On certain questions of technical policy in the region of the operation of power systems. (O nekotorykh voprosakh tekhnicheskoy politiki v oblasti ekspluatatsii energosistem)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957,
Vol.28, No.4, pp. 41 - 44 (U.S.S.R.)

ABSTRACT: For many years, Soviet power engineering developed under particularly difficult conditions and the means available for installing reserve power capacity were limited. Therefore, special measures had to be taken to ensure reliable operation of power systems. These measures have followed two main directions: the introduction of prophylactic maintenance testing including high voltage testing of installations and regular repair work; the introduction of automatic systems intended to improve the reliability of the power system and also to suppress faults quickly. Equipment of this kind includes automatic field regulators and excitation forcing devices. Operating experience has shown that the measures adopted have been very effective and cheap, not only when there is an acute deficiency of power but also under normal conditions. Considerable benefits have resulted from improvements in the stability of parallel operation. However, at one time certain

On certain questions of technical policy in the region of the operation of power systems. (Cont.)

specialists disapproved of the measures taken to improve stability of parallel operation, such as automatic field control and forcing, considering that it was dangerous for the equipment and that the best procedure was that of automatic unloading by voltage drop. The installation of excitation forcing amply justified itself in practice. The introduction of prophylactic maintenance repairs and testing greatly improved the reliability of the equipment.

104-4-12/40
The introduction of automatic equipment has of course certain negative features. The use of automatic reclosure can cause peaks of current and load and increases the number of operations of circuit breakers under fault conditions, and the equipment must be looked after. Because of these defects some power engineers think that automatic equipment and maintenance testing and repairs are unnecessary. Some engineers refer uncritically to the fact that such equipment is hardly used in the power systems of Western Europe. Some also suppose that these measures will only be necessary so long as there is a shortage of reserve power capacity.

2/4 These views require correction and attention should be drawn to the following circumstances. The relatively small

On certain questions of technical policy in the region of
the operation of power systems. (Cont.)

104-4-12/40

number of system faults in the USSR in recent years is mainly
a result of the extensive application of automatic equipment.
Many years of operating experience has shown that the self-
synchronisation method of switching does not damage electrical
machines. It has also been demonstrated that automatic repeat-
ed reclosure and the high voltage testing of electrical equip-
ment does not damage the equipment. In many foreign power
systems the absence of system automatic equipment causes faults
to develop extensively despite the presence of considerable
reserves of power in both stations and systems. There can be
no doubt that the cost of prophylactic repairs and testing is
repaid many times over by a reduction in the cost of install-
ation of reserve power. It should be noticed that power system
automation is gradually beginning to be introduced in capitalist
countries and so is prophylactic testing. However, foreign
power engineers are not all of one opinion and this leads to
slow introduction of advanced methods of working.

System automatics and prophylactic testing will not become
less important with the increase of reserve power and the uni-
fication of power systems in the USSR. Indeed, with the uni-
fication of power systems in the sixth Five Year Plan and with
3/4

BOBROV, A.A., DVORETSKIY, A.I., ZELIKMAN, V.G., LOSHAK, B.O., red., SYROMYATNIKOV, I.A., SHUKHER, S.M.; BORUNOV, N.I., tekhn. red.

[Handbook for studying operating regulations for electric power stations and systems] Posobie dlya izuchenija pravil tekhnicheskoi ekspluatatsii elektricheskikh stantsii i setei v semi vypuskakh. Moskva, Gos. energ. izd-vo. Pt. 1. [Transportation and fuel management in electric power plants] Toplivno-transportnoe khoziaistvo elektrostantsii. 1958. 286 p. (MIRA 11:10)
(Electric power plants)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof. (Moskva); BUCHIDZE, S.R., kand. tekhn. nauk (Tallin); ORLOVSKIY, A.V., prof.; POSSE, A.V., kand. tekhn. nauk; AKSEL'ROD, M.M., inzh.; GERTSIK, A.K., inzh.; GROYS, Ye.S., inzh.; KVYATKOVSKIY, V.M., inzh.

Outlook for d.c. power transmission in the Soviet Union. Elektrичество no.2:72-78 F '58. (MIRA 11:2)

1. Chelyabinskii politekhnicheskiy institut (for Orlovskiy). 2. Nauchno-issledovatel'skiy institut postoyannogo toka (for Posse, Aksel'rod, Gertsik, Groys, Kvyatkovskiy).
(Electric power distribution--Direct current)

AUTHOR: Syromyatnikov, I.A., Professor 91-58-6-2/39

TITLE: Concerning the Paper of V.L. Smol'nikov "Overvoltages Resulting From Higher Harmonics"(Po povodu stat'i V.L. Smol'nikova "O perenapryazheniyakh ot vysshikh garmonik")

PERIODICAL: Energetik, 1958, Nr 6, p 5 (USSR)

ABSTRACT: A paper by Engineer V.L. Smol'nikov under the title "Overvoltages Resulting From Higher Harmonics", was published in the Nr 3, 1958 issue of this periodical. The author of subject article points out that Smol'nikov's conclusion is wrong, that transformer groups with open delta circuits are not to be switched on. Switching on of these transformers is permissible when it is performed from the 110 kv side under the condition that the neutral is grounded. Switching on from the 35 kv side is not permissible, since it may cause dangerous overvoltages. Since cases are very rare in which transformers will work with open delta circuits, it is not necessary to install coordinating spark gaps at the low voltage outlets. The aforementioned statements concern not only transformers with three windings but also those with two windings. A case where a transformer group works with an open delta circuit is described in a paper written by the author, entitled

Card 1/2

91-58-6-2/39

Concerning the Paper of V.L. Smol'nikov "Overvoltages Resulting From Higher Harmonics"

"A Case in Which a Transformer Group Worked in Wye-Wye Circuit"
and published in the periodical "Elektricheskiye stantsii,
Nr 8, 1941.

AVAILABLE: Library of Congress

Card 2/2 1. Transformers-Performance 2. Transformers-Characteristics

SYROMYATNIKOV I. A.

AUTHOR: Yevseyev, A. A., Engineer SOV/ 105-58-7-21/32

TITLE: Conference on Developmental Problems of the Production of Trans-formers in the USSR (Soveshchaniye po voprosam razvitiya otechest-vennogo transformatorostroyeniya)

PERIODICAL: Elektrichestvo, 1958, Nr 7, pp. 82 - 83 (USSR)

ABSTRACT: The conference took place from March 5th to March 6th, 1958, in Moscow. It was called by State Scientific Technical Committee Attached to the Council of Ministers of the USSR (Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR) together with the Gosplan USSR (Gosplan SSSR). This conference was attended by: scientists and engineers from Moscow, Leningrad, Kiyev, Khar'kov, Sverdlovsk, Alma-Ata, and other cities, representatives of the Sovnarkhozes, the Technical Office Attached to the Ministry of Electric Power Plants, of the Building Authorities RSFSR, of the Gosstroy USSR, of the Committee of Standards, of the Electric Installation Organisations, and by the co-workers of the trans-former works Moscow, Zaporozh'ye, "Uralelektroapparat", Armelek-trozavod, as well as by the All Union Scientific Research-and Planning Institutes VEI, VTI, GIDEP, VNIIChermet, VNIIE, MEI and

Card 1/3

Conference on the Developmental Problems of the
Production of Transformers in the USSR

SOW/105-58-7-21/32

others. The representatives of organisations which have transformers in operation were invited as well. Professor I.A. Syromyatnikov (GNTK SSSR) opened the conference and pointed out the shortcomings and objectives in the production of transformers. The Deputy Chief Constructor A.M. Chertin, Moscow Transformer Works imeni Kuybyshev (Moskovskiy transformatornyy zavod im. Kuybysheva) reported on the working out of plans for the new series of the 110 kW transformers in the case of which the total losses are lower by 30%, and the idling losses by 40% - 50%, compared with the GOST 401-41. In 1959 these transformers will be put in operation to a large degree. Chief Engineer I.A. Antonov, Zaporozh'ye Transformer Works (Zaporozhskiy transformatornyy zavod) reported on the new series of transformers with a power of 560 - 5600 kVA at 10 and 35 kV, 7,5 - 31,5 MVA at 35 kV, 90 - 240 MVA at 110 kV, 90 - 240 MVA at 220 kV, 15 - 60 MVA at 150 kV and on the series of autotransformers 220/110/HH with 120 - 300 MVA for monophase units and 180 - 450 MVA for three-phase units. Chief Engineer A.N. Dolgov (Trust "Tsentronelektroset'stroy" MES) spoke about practical experience gained in assembling transformers and autotransformers with high power

Card 2/3

SYROMYATNIKOV, I.A., prof., doktor tekhn.nauk

Basic technical-progress directions of power engineering in the
U.S.S.R. Trudy VZET no.9:3-26 '58. (MIRA 12:10)
(Power engineering)

SYROMYATNIKOV, I.A., doktor tekhn. nauk.

Problems in planning and operating step-down substations, Elek. sta.
29 no.2:78-81 F '58. (MIRA 11:3)
(Electric substations)

SYROMYATNIKOV, I.A., red.; VINOGRADOV, A.A., red.; BORUNOV, N.I.,
tekhn.red.

[Synchronous engines; collected studies] Sinkhronnye
dvigateli; sbornik statei. Moskva, Gos.energ.izd-vo, 1959.
222 p. (MIRA 12:8)
(Electric motors, Synchronous)

8(5)

SOV/105-59-10-1/25

AUTHOR: Syromyatnikov, I. A., Doctor of Technical Sciences, Professor

TITLE: Selection of Power Data for the Electrical Equipment and the Electric Drive in Consideration of the Power System

PERIODICAL: Elektrichestvo, 1959, Nr 10, pp 1-8 (USSR)

ABSTRACT: The author finds fault with the fact that clear data are not taken into account for the selection of the electrical equipment and the electric drive. The reliability and durability of the equipment, the consumption of active and reactive power per unit of the product to be made, the better efficiencies under otherwise equal conditions are frequently not considered because of departmental interests. For the same reason, equipments are manufactured on an insufficient scale and are not supplied to consumers. He points out that power installations and electrical equipment form the most important elements of the power system. Planning and determination of the optimum design of these equipments is to be based on the most favorable results for the National Economy. Methods of technical and economic calculation must be based on the period of service. If there are more than two variations possible, the minimum expenses must form the basis. The latter may be calculated according to

Card 1/2

Selection of Power Data for the Electrical Equipment SOV/105-59-10-1/25
and the Electric Drive in Consideration of the Power System

formulas (2) and (3) and price-lists. These aspects are illustrated here by the planning of alternators and electric motors, by the selection of reactive power sources and power transformers, and corresponding recommendations are given. There are 4 tables and 1 Soviet reference.

ASSOCIATION: GNTK Soveta Ministrov SSSR (State Scientific-technical Committee at the Council of Ministers of the USSR)

SUBMITTED: March 9, 1959

Card 2/2

Sy Romyatnikov, L.A.

6(2)
AUTHOR: Osadchenko, M. I., Engineer
TITLE: Conference on the Results and Prospects of the Development of Soviet Relay Construction

PERIODICAL: Elektrichesvo, 1959, Nr 10, pp 86-87 (USSR)

ABSTRACT: An All-Union Scientific-technical Conference was held at Chelyabinsk from July 7 to 11, 1959. It dealt with the results obtained in relay construction during the last nine years. Furthermore, the prospects of the further development of relay construction, and the protection and automation of electric installations were outlined. The Conference was attended by representatives of scientific research institutes, planning institutes and colleges, scientific laboratories, planning organizations of the Soviet Government and All-Union Main User Administration) and a number of power systems. The representatives of the Chelyabinsk Relay Electrotechnical factory (Chelyabinsk Plant for Electrical Apparatus) M. M. Tafanov and M. I. Tafanov reported on the achievements of the Plant in the modernization and the development of new highly sensitive and high-speed relays and protective circuits. V. L. Fabrikant, Candidate of Technical Sciences, spoke

SOV/105-59-10-2/75

"Developments in Foreign Relay Construction". Professor F.I. Slobodchikov, Doctor of Technical Sciences, spoke about the experiences from a tour to the United States and delivered a report on "The Ways of Further Development of Soviet Power Engineering". Engineer V.M. Yermolenco spoke about the Principles Underlying the Design of Complicated Alternating-Current Control Protective Devices". M.I. Savchenko, Candidate of Technical Sciences, spoke about the work of the Party in the development of power-supply units. Ye. D. Sosulin, Candidate of Technical Sciences, delivered a speech on the Development of Protective Devices With a Sensitive Electromechanical Element". Engineer Yu. I. Likhachev spoke on "The Development of Relay Protection With Semiconductors". Engineer V.L. Grishinov reported on the development of the resistor- and power relays with semiconductors. Professor A.I. Bubnov, Doctor of Technical Sciences, spoke about the prospects of further employment of saturated steels in relay construction. The manufacture of large oil- and air circuit breakers by the plants "Elektroparapar" and "Uralkolkipravpar" was sharply criticized. The Conference pointed out that automatic frequency- and power controllers,

Card 1/3

grouped installations for excitation and power control, modern automatic synchronizers and automatic regulators for the batteries of static condensers which are indispensable in the full automation of electric installations have not yet been provided for in the Soviet manufacturing program.

Card 2/3

Card 3/3

SYNOPSIS IN KARIA

(S)
 AUTHORS:
 Amashishvili, G. D., Gabashvili, P. V., Gotsikashvili, S. M., Kudiani, I. S., Mikashvili, L. G.,
 Serebriakov, I. A., Tsvetobohutur, A. Ye., Chikladze,
 D. F., Shai, I. T.

TITLE:
 Ye. M. Shikladze (Decreed)

PERIODICAL:

ABSTRACT:

Georgian Scientific Research Institute for the Electrification of Agriculture (Gesrik) died on August 9, 1959, 45 years old. After having completed his studies at the electro-technical faculty of the Gori Polytechnic Institute (Department of Electrical Engineering of the Georgian Industrial Institute) Yu. M. Shikladze worked in Tbilisi and Tbilisi in the central laboratories of the Gruzaenergo. In 1948 he enlisted in the organization of the Tbilisi filial Tbilisi Scientific Research Institute for the Electrification of Agriculture which was later renamed into the Georgian Scientific Research Institute for the Electrification of Agriculture (Georgian Scientific Research Institute for the Electrification and Electrification of Agriculture).

Electricitevo, 1959, no 11, p 95 (USSR)

Card 1/2

Card 2/2

SyecomyATN/Kuy T.A.

7

6 (0)

AUTHORS: Kostyuk, M. P., Kulebaikin, T. S., Sov/105-59-11-27/52
Tranenikov, V. A., Vinogradov, V. A., Golobor, A. I., Morozov, D. P.
Provorovskaya, I. A., Trizik, J. G., Paton, I. I., Baskin, I. I.,
A. V., Golodets, N. N., and others

PERIODICAL: Elektrorabotstvo, 1959, Nr 11, p 91 (USSR)

ABSTRACT: Professor M. G. Chilikin. On His 50th Birthday and His 25th
Year of Scientific, Engineering, and Pedagogical Activity

Professor M. G. Chilikin. Yarich Chilikin is Director of the
of Lenin Institute of Power Engineering) and a specialist in
the field of electric drive. Professor M. G. Chilikin wrote
his dissertation for his application as Candidate of Technical
Sciences in 1938. In 1951 he was appointed professor and in
1954 he obtained the degree of a Doctor of Technical
Sciences. Since 1951 he has taught at the Kafedra "Elektro-
oborudovaniye Proizvodstvennykh preprilatyat" (Chair for
Electrical Equipment of Industrial Enterprises) of MEI. He holds
lectures on electric drives and deals with the construction of
electric drive systems. In 1955 he became head of the above-
mentioned Institute. He issued many papers on teaching

methods in universities on scientific problems of electric
drives and electrification. His books are well known among
workers and university students. M. G. Chilikin is President
of the Moshchno-tekhnicheskoye Komiteta po avtomatizatsii i rassloenii
elektropriborov i priemennym elektricheskikh mashin (Scientific
and Technical Committee for Automation of Electrical Drives and the
Use of Electrical Machines). President of the sektsiya mezogo-
vremennosti, Tekhnika Gospnauki SSSR (Section for the Present
Equipment of the National Council of the Gosplan SSSR), member
of the Editorial Council of the Gospnaukograd (State Power
Engineering Publishing House), Member of the Board of Editors
of the periodical "Elektricheskovo". He was a member of the
Plenum of a rayon Committee of the CPSU, and four times delegate
in the Komsomol (Komsomol Soviet). He received the Order of the
Red Banner of Labor and other awards. There is 1 figure.

Card 2/2

Syromyntkov, I.A.

508/105-59-12-2u-21
Aleksayev, A. A., Bogoroditskay, N. P., Glazov, I. A.,
Dabha, A. B., Urodo, S. G., Kupitza, P. L., Kukuskin, V. S.,
Savas, L. B., Syromyntkov, I.A., et al.

TITLE: Academician M. P. Kostenko. On His 70th Birthday and the
40th Anniversary of His Scientific and Pedagogic Activity
Periodicals: Elektrochetot, 1959, Nr 12, pp 61 - 62 (USSR)

ABSTRACT: The oldest member of the editorial staff of the periodical "Elektrochetot", Mikhail Pavlovich Kostenko was born the son of a physician in the District Yorozh in 1881. He studied at the Peterburgsky university (St. Petersburg University) in 1907, in 1908 at the Peterburgsky elektrotechnichesky institut (St. Petersburg Institute of Electrical Engineering) was graduated in 1910, became a member of the student's revolt and called to the Perm District. In 1911 - 1913 he worked there as a telephone engineer. In 1911-1913 he studied and graduated from the Peterburgsky politekhnichesky institut (St. Petersburg Polytechnic Institute). In 1920 he was elected instructor for the Chair of Electrical Machines at the same Institute. In 1922 - 1924 Kostenko was sent to England as an engineer and made several inventions (pulse generator, condenser generator etc.). He again started working at the Leningradsky Politechnichesky institut in Kaliningrad (Leningrad Polytechnic Institute Iosif Bardin) in 1924, where he became docent in 1927, and professor and head of the Chair of Electrical Machines in 1930. Since 1924 he also worked at the Elektrosvit Narvskogo management. He took part in the development of the new turbogenerator series from 1922 to 1930. His book "Al-Generatorye" appeared in 1935. In 1935 - 1936 he worked as chief electrical engineer at the Kharitonovskiy elektronehodobnyy zavod (Kharkov Electrotechnical Plant). He then returned to the Leningrad Polytechnic Institute. In 1939 he was elected Corresponding Member of the AS USSR. Subsequently he worked in the Krasnaya Otdeleniya Tekhnicheskikh nauchnogo SSSR po voprosu sistemy tolylya elektricheskikh stanyayek dorog SSSR (Commission of the Department of Technical Sciences of the AS USSR for the current type selection for the electrification of railroads in the USSR). In 1942-1944 a large mercury rectifier plant was installed within the system of the Ushakenergo under

to Kostenko as an engineer and made several inventions (pulse generator, condenser generator etc.). He again started working at the Leningradsky Politechnichesky institut in Kaliningrad (Leningrad Polytechnic Institute Iosif Bardin) in 1924, where he became docent in 1927, and professor and head of the Chair of Electrical Machines in 1930. Since 1924 he also worked at the Elektrosvit Narvskogo management. He took part in the development of the new turbogenerator series from 1922 to 1930. His book "Al-Generatorye" appeared in 1935. In 1935 - 1936 he worked as chief electrical engineer at the Kharitonovskiy elektronehodobnyy zavod (Kharkov Electrotechnical Plant). He then returned to the Leningrad Polytechnic Institute. In 1939 he was elected Corresponding Member of the AS USSR. Subsequently he worked in the Krasnaya Otdeleniya Tekhnicheskikh nauchnogo SSSR po voprosu sistemy tolylya elektricheskikh stanyayek dorog SSSR (Commission of the Department of Technical Sciences of the AS USSR for the current type selection for the electrification of railroads in the USSR). In 1942-1944 a large mercury rectifier plant was installed within the system of the Ushakenergo under

his supervision. This work served as basis for the book published in 1946 together with L. D. Kuzmin and J. B. Lavender "Zakreacionnyy protsess v sisteme s lachinami i vypyaneniyem ustanovaem" (Electromagnetic Processes in Systems With and Without Rectifiers) during the Systems With and Without Rectifiers Institute. During the same time under his supervision the simulation of large power systems by means of special machines was developed. He returned to the Leningradsky Politechnichesky institut in 1956. In 1956 he received the Lenin prize. He is a member of the Council of the Soviet Ministry of Education, USSR, member of the Scientific Council of the Council of Ministers, USSR, member of the Institute council at the Elektrosvit Plant and at the Institute Postoyannyye toksa (DC-Institute), chairman of the Verkhovnyy Soviet SSSR (Supreme Soviet of the USSR), member of the Presidium of the AS USSR and its representative in Lenintekhnik. There is 1 figure.

Card 2/3

Card 3/3

Syromyntnikov, I. A.

Часописъ за радиоелектроника и електротехника по автоматизация и производство

Москва, 3d, 1959

Изданието е представителен превод на английския постапок

научният конгрес във Франция, 1959

Електрически Драйв и Автоматизация в промишлеността: пръв конгрес

на Франция, Родез, Генералдат, 1960. 470 p., 11,000 copies printed.

General Ed.: I.I. Petrov, A.A. Sviridov, and M.G. Chilkin; Eds.: I.I. Sod, and

K.I. Shlyapov, Tech. Eds.: K.P. Vaynsht, and G.I. Lebedev.

ПОСЛОВИЦА: The collection of reports is intended for the scientific and technical

personnel of scientific research institutes, plants and schools of higher

education.

СОДЕРЖАНИЕ: The book is a collection of reports submitted by scientific workers at

plants, scientific institutes and schools of higher education at the third

Joint All-Union Conference on the Automation of Industrial Processes in Machine

Building and Automated Electric Drives in Industry held in Moscow on

May 12-16, 1959. The Conference was called by the Academy of Sciences USSR, the

Central Scientific Planning Commission USSR, the USSR Society of Consultants

and the USSR State Planning Commission USSR (Central Committee on Automation and

Machine Building) and the National Committee "Soviet USSR po avtomatizatsii uprav-
leniya" (USSR National Committee on Automatic Controls) and prepared by the Scientific

and Technical Committee on Automated Electric Drives, the IIT (Institute of Technology and Research)

of the Academy of Sciences USSR, and the Institute of Technical and Metallurgical

Institute of the Academy of Sciences of Ukraine (Ukrainian Academy of Sciences USSR).

To meet the purposes of the Editorial Board to arrange the reports in a way which

will ensure a relatively systematic presentation of theoretical and practical

problems relating to electric drives and automatic control of industrial processes

as they are used in various branches of industry. Basic problems of automated electric

drives and their solution are outlined. The book also contains articles on elec-

tric machinery and means of automation. Considerable attention is paid to non-

contact automatic control systems, including systems with semiconductor devices

and magnetic amplifiers, and to computers intended both for the analysis and the

synthesis of linear and nonlinear automatic regulation and control systems. Re-

ports already published in journals or official publications have been consid-

erably abbreviated those which have appeared in volume V of IITR transactions

or in the journal "Elektricheskoe" are carried with an asterisk. No personalities

are mentioned. References occupy some of the pages.

ПРИЛОЖЕНИЯ КОМПЛЕКСЪ ПО ТЕХНИКЕ И ПРАКТИКЕ ЭЛЕКТРИЧЕСКИХ ДРАЙВОВ И АВТОМАТИЗАЦИИ

ПРИЛОЖЕНИЯ КОМПЛЕКСЪ ПО ТЕХНИКЕ И ПРАКТИКЕ ЭЛЕКТРИЧЕСКИХ ДРАЙВОВ И АВТОМАТИЗАЦИИ

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ПРИЛОЖЕНИЯ КОМПЛЕКСЪ ПО ТЕХНИКЕ И ПРАКТИКЕ ЭЛЕКТРИЧЕСКИХ ДРАЙВОВ И АВТОМАТИЗАЦИИ

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"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310013-7

SYROMYATNIKOV, Ivan A., MAMIKONYANTS, Lev. G.

"A non-synchronous operation of generators"

report to be submitted for Intl. Conference on Large Electric Systems (CIGRE),
18th Biennial Session, Paris, France, 15-25 Jun 60.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310013-7"

SYROMYATNIKOV, I.A., doktor tekhn.nauk

Interconnected electric power systems in U.S.A. (from "Electrical
World," no.11, 1959). Energokhoz.za rub. no.3:32-33 My-Je '60.
(MIRA 13:7)

(United States—Electric power distribution)

SYROMYATNIKOV, I.A., prof.

Lenin and all-out electrification of the Soviet Union. Elektrichestvo
no.4:1-6 Ap '60. (MIRA 14:4)

1. Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov
SSSR. (Electrification)

S/105/60/000/07/26/027
B007/B005

AUTHORS: Bogoroditskiy, N. P., Syromyatnikov, I. A., Fedoseyev, A. M.,
Atabekov, G. I., Yermolin, N. P., Ryzhov, P. I.,
Timofeyev, V. A., and Others

TITLE: Professor V. I. Ivanov (On His 60th Birthday)

PERIODICAL: Elektrичество, 1960, No. 7, pp. 94-95

TEXT: This is a short biography of Viktor Ivanovich Ivanov born in April 1900 at Penza as the son of an engine driver. He is Doctor of Technical Sciences and Professor at the Leningradskiy elektrotekhnicheskiy institut im. Ul'yanova (Lenina) (Leningrad Electrotechnical Institute imeni Ul'yanov (Lenin)). He finished his secondary school education in 1918, and enrolled at the fiziko-matematicheskiy fakul'tet Saratovskogo universiteta (Department of Physics and Mathematics at Saratov University), and in 1921 at the Leningrad Electrotechnical Institute imeni Ul'yanov (Lenin) from which he graduated in the special subject of electric power plants in 1927. He started his pedagogical activity at the same institute under the ✓

Card 1/3

Professor V. I. Ivanov (On His 60th Birthday)

S/105/60/000/07/26/027
B007/B005

supervision of A. A. Smurov in the same year, and conducted - at the same time - the investigations of protective relays at the Leningradskaya energosistema (Leningrad Power Network). Under the supervision of R. A. Lyuter and together with P. I. Ryzhov, he established a laboratory for protective relays at the same institute, and was among the first in the USSR to give lectures on protective relays and short-circuit currents. At the same time, he organized - at Lenenergo together with P. I. Ryzhov - the first service for protective relays in the USSR. His book on this field was published in 1932. From 1932 to 1941, he conducted the department of protective relays at the laboratory of A. A. Smurov. He developed a carrier-current protection for transmission lines, and under his supervision the laboratoriya im. Smurova (Laboratory imeni Smurov) installed 40 such sets at the Mosenergo, Lenenergo, Donbassenergo, and Uralenergo. During the first war years, he worked in the Ural, and besides, lectured at the Ural'skiy politekhnicheskiy institut (Ural Polytechnic Institute) and the Lesotekhnicheskiy institut (Forest Technology Institute). In 1944-47 he lectured at the Akademiya im. Zhukovskogo (Academy imeni Zhukovskiy) and the Moskovskiy aviationsionnyy institut im. Ordzhonikidze (Moscow Aviation Institute imeni Ordzhonikidze).

Card 2/3

SYROMYATNIKOV, I.A., doktor tekhn.nauk

Power engineering is calling. Izobr.i rats. no.12:2-5 D '60.
(MIRA 13:12)

1. Chlen Gosudarstvennogo nauchno-tehnicheskogo komiteta.
(Electrification)

SYROMYATNIKOV, I., prof., doktor tekhn.nauk

Communism is Soviet power plus electrification of the whole
country. NTO 2 no.4:7-9 Ap '60. (MIRA 13:6)
(Lenin, Vladimir Il'ich, 1870-1924)
(Electrification)

SYROMYATNIKOV, I.A., doktor tekhn.nauk

Concerning some suggestions of P.S. Neporozhni. Teploenergetika
7 no. 12:72-75 D '60. (MIRA 14:1)
(Electric power)

PETROV, I.I., doktor tekhn.nauk, prof.; SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.; LITVINOV, V.N.; FROV, A.A.; GERSHKOVICH, S.F.; POPOV, S.N.; BOCHAROV, V.I.

In regard to the letter written by V.V.Artemonov, A.A.Fedorov, and M.I.Kiselev on "Improvement in the training of specialists in the field of electrification of industrial enterprises." Prom. energ. 15 no.9:55-59 S '60. (MIREA 13:10)

1. Nachal'nik elektrotsekh, g.Krasnoyarsk (for Litvinov). 2. Glavnny energetik Kazgiprotsvetmet (for Frov). 3. Glavnny energetik Novo-Kemerovskogo khimkombinata (for Gershkovich). 4. Sverdlovskiy sov-narkhoz (for Popov). 5. Frunzenskiy politekhnicheskiy institut (for Bocharov).

(Electricians--Education and training)

(Electrification)

(Artamonov, V.V.) (Fedorov, A.A.) (Kiselev, M.I.)

SYRONYATNIKOV, I.A.

Widening of the field of application of synchronous motors in
industry. Vest. elektroprom. 31 no.1:70-71 Ja '60.
(MIRA 13:5)

1. Chlen Komiteta Gosudarstvennogo nauchno-tekhnicheskogo Soveta
ministrov SSSR.
(Electric motors, Synchronous)

MAMIKONANTS, L.G., doktor tekhn.nauk; SYROMYATNIKOV, I.A., doktor tekhn.
nauk

Asynchronous operating condititons of synchronous generators. Elek.
sta. 31 no.7:42-46 J1 '60. (MIRA 13:8)
(Electric generators)

KHACHATUROV, A.A., kand. tekhn. nauk; SYROMYATNIKOV, I.A., doktor
tekhn. nauk, prof., red.

[Use of electric generators; wider uses of nonsynchronous
automatic reclosing] E' spluatatsia generatorov; rasshirenie
oblasti primeneniia nesinkhronnogo APV. Lektsiia 2 dlia stu-
dentov elektroenergeticheskogo fakul'teta i slushatelei fa-
kul'teta usovershenstvovaniia inzhenerov. Moskva, Vses.zaochnyi
energ.in-t, 1961. 28 p.
(Electric power distribution) (Electric protection)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Electric automation as a means for increasing the reliability
of electric power systems. Elektricheatvo no.7:18-24 J1 '61.
(MIRA 14:9)

(Electric power distribution)

PETROV, B.N.; SOTSKOV, B.S.; LARIONOV, A.N.; CHILIKIN, M.G.;
SYROMYATNIKOV, I.A.; BLAGONRAVOV, A.A.; KRUZHILIN, G.N.;
IVAKHnenko, A.G.; NAGORSKIY, V.D.; CHELYUSTKIN, A.B.;
DROZDOV, N.G.; PETROV, I.I.

Seventieth birthday of Viktor Sergeevich Kulebakin. Elektrich-
estvo no.10:90-91 0 '61. (MIRA 14:10)
(Kulebakin, Viktor Sorgeevich, 1891-)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Technological and efficiency advantages of synchronous motors.
Elektrichestvo no.12:20-27 D '61. (MIRA 14:12)
(Electric motors, Synchronous)

SYR I. YATNIKOV, I., Doctor tehnichesk., prof.

Construction of electric power stations should be planned from the national point of view. MTO 3 no.11:24-26 N '61.
(MIRA 14:10)

1. Predsedateli Moskovskogo gorodskogo pravleniya Nauchno-tehnicheskogo obshchestva energeticheskoy promyshlennosti.
(Electric power plants)

SYROMYATNIKOV, I.A., KRIKUNCHIK, A.B., LIVANOVA, O.V., MAMIKONYANTS, L.G.,
ULITSKIY, M.S.

"Power supply systems and electric drive of auxiliaries for
modern thermal power stations."

Report to be submitted for the 19th Biennial Session, Intl. Conf. on
Large Electric Systems(CIGRE), Paris, France, 16-26 May '62.

KRIKUNCHIK, All-Union Scientific Research Planning Inst. of Thermoelectric
Industry.

LIVANOVA, Central Scientific Research Elect. Engineering Lab.
MAMIKONYANTS, Central Scientific Research Inst., Min. of Electric
Power Stations, USSR.

SYROMYATNIKOV, Power Engineering Dept., Electric Tech. and Communication,
State Committee for Coordination of Scientific Research.
ULITSKIY, State Trust for Organization and Rationalization of Regional
Electric Power Stations.

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof.

Development of power engineering in the light of the decisions
of the 22d Congress of the CPSU. Elektrichestvo no.1:1-6
Ja :62. (MIRA 14:12)

(Power engineering)

Syromyatnikov, I.A.

SIROMIATNIKOV, I.A. [Syromyatnikov, I.A.], d-r tekhn. nauk, prof.;
ZAGOROV, Iv. [translator].

Electric automation as a means of increasing dependability
of the operation of electric-power systems. Novosti avtomat
telemekh 1:9-23 '62

ALEKSEYEV, A.Ye.; BULGAKOV, K.V.; ZILITINKEVICH, S.I.; IVANOV, V.I.;
PETROV, I.I.; RYZHOV, P.I.; SYROMYATNIKOV, I.A.; TIMOFEEV, V.A.;
SHCHEDRIN, N.N.; FATEYEV, A.V.

Sixtieth anniversary of the birth of Dmitrii Vasil'evich Vasil'ev.
Elektrichestvo no. 3:93 Mr '62. (MIRA 15:2)
(Vasil'ev, Dmitrii Vasil'evich, 1901-)

KOSTENKO, M.P., akademik; MAMIKONYANTS, L.G., prof.; SYROMYATNIKOV, I.A., prof.

Session of Committee No.17 (Generators) of the International
Conference on Large Electric Systems (CIGRE). Elektrichestvo
no.6:86-89 Je '62. (MIRA 15:6)
(Turbogenerators—Congresses)
(Electric power plants—Congresses)

CHILIKIN, M.G.; RAZEYIG, D.V.; SYROMYATNIKOV, I.A.; FEDOSEYEV, A.M.;
MAMIKONYANTS, L.G.; ANISIMOVA, N.D.; VAZYAGIN, L.K.;
SOLDATKINA, L.A.

V.A. Venikov; on his fiftieth birthday and the twenty-fifth
anniversary of his theoretical and educational work. Elektrichestvo
no.7:87 J1 '62. (MIRA 15:7)
(Venikov, Valentin Andreevich, 1912-)

SYROMYATNIKOV, I.A., prof., doktor tekhn.nauk; ZEYLIDZON, Ye.D., inzh.

Protection of electric motors from short-circuits to ground.
Prom.energ. 17 no.7:30-31 Jl '62. (MIRA 15:7)
(Electric motors) (Electric protection)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Concerning the problems of long-distance electric power transmission.
Elektrichestvo no.11:13-20 N '62. (MIRA 15:11)
(Electric power distribution) (Electric lines)

SYROMYATNIKOV, I.A.; MAMIKONYANTS, L.G.; MAMEDOV, A.M.; KULI-ZADE, K.N.;
ABDURASHITOV, S.A.; DZHVUVARLI, Ch.M.; RUSTAM-ZADE, P.B.; GUSEYNOV,
F.G.; GAZAR'YAN, S.I.; EGENDI-ZADE, A.A.; ALI-ZADE, A.S.

B.P. Al'bitskii; obituary. Elektrichestvo no.12:88 D '62.
(MIRA 15:12)
(Al'bitskii, Boris Petrovich, 1887-1962)

SIROTINSKIY, L.I.; POLIVANOV, K.M.; NETUSHIL, A.V.; BABIKOV, M.A.;
SYROMYATNIKOV, I.A.; DROZDOV, I.G.; FEDOSEYEV, A.M.; CHILIKIN, M.G.;
BESSIONOV, L.A.; BUTKEVICH, G.V.; ZHEKULIN, L.A.; NEYMAN, L.R.;
GORTINSKIY, S.M.; SMIRNOV, A.D.; MAMIKONYANTS, L.G.; PETROV, I.P.

Vsevolod IUr'evich Lomonosov; obituary. Elektrichestvo no.12:88
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(Lomonosov, Vsevolod IUr'evich, 1899-1962)

SYROMYATNIKOV, Ivan Arkad'yevich, doktor tekhn. nauk, prof.; IVANOV,
S.M., red.; NAZAROVA, A.S., tekhn. red.

[Electrification is well on its way; power transmission lines]
Elektrichestvo v puti; linii elektroperedachi. Moskva, Izd-vo
"Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike.
IV Seriia: Tekhnika, no.1) (MIRA 16:1)
(Electrification) (Electric lines--Overhead)

SYROMYATNIKOV, Ivan Arkad'yevich; VINOGRADOV, A.A., red.; LARIONOV,
G.Ye., tekhn. red.

[Operation of asynchronous and synchronous electric motors]
Rezhimy raboty asinkhronnykh i sinkhronnykh elektrodvigate-
lei. Izd.3., perer. i dop. Moskva, Gosenergoizdat, 1963.
527 p. (MIRA 16:4)

(Electric motors, Induction)
(Electric motors, Synchronous)

NEPOROZHNIY, P.S. (Moskva); BELYAKOV, A.A. (Moskva); RUSSO, G.A. (Moskva);
BUROVOY, A.A. (Moskva); NEKRASOV, A.M. (Moskva); ROKOTYAN, S.S.
(Moskva); MILOSLAVSKIY, N.M. (Moskva); SYROMYATNIKOV, I.A.,
doktor tekhn. nauk, prof.

Principal trends in the realization of over-all electrification.
Elektrichestvo no.8:77-82 Ag '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Economic considerations in the use of expanded (extra-large diameter) wires in high-voltage power transmission lines. Elektrичество (MIRA 16:10) no.9:23-27 8 '63.

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof.

Concerning P.S.Tiagul'skii's article "Choice of a synchronous motor for driving a centrifugal pump when started with an open pressure latch." Prom.energ. 18 no.2:50-51 F '63.

(MIRA 16:2)

(Electric motors, Synchronous)
(Pumping machinery, Electric)

SYROMYATNIKOV, I.A., doktor tekhn. nauk

Fallibility of starting time determination using mean excess moment.
Prom. energ. 18 no.6:6-8 Je '63. (MIRA 16:7)

(Electric motors)

SYROMYATNIKOV, I.A., doktor tekhn. nauk

Automatic excitation control systems of synchronous motors.
Prom. energ. 18 no.10:27-28 0 '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., prof.; ROZANOV, M.N., kand.tekhn.nauk; KEDRIN, V.M.,
inzh.; ZEYLIDZON, Ye.D., inzh.

Concerning N.S.Shabalin's article "Engineering and economic
efficiency of overall automation and remote control in electric
power distribution networks." Elek. sta. 34 no.9:87-89
S '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.; LITVAK, L.V., kand. tekhn. nauk; BOTVINNIK, M.M., doktor tekhn. nauk; GORODSKIY, D.A., doktor tekhn. nauk

Concerning [kand. tekhn. nauk] N.R. Ipatenko's article "Automatic excitation control of a synchronized induction motor." Elektrotehnika 34 no.11:70-72 N '63.

(MIRA 17:2)

LITVAK, L.V.; SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof., red.

[Methodology for constructing operational and start characteristics of asynchronous motors; a lecture] Metodika postroeniia rabochikh i puskovykh kharakteristik asinkhronnykh dvigatelei; lektsiia. Moskva, Vses. zaochnyi energ. in-t, 1964. 25 p. (MIRA 17:12)

VOLOBRINSKIY, Sergey Davidovich; KAYALOV, Georgiy Mikhaylovich;
KLEYN, Petr Nikolayevich; MESHEL', Boris Solomonovich;
SYRCMYATNIKOV, I.A., prof., retsentent; KNYAZEVSKIY, B.A.,
dots., retsentent; GRODSKIY, S.Ye., red.

[Electrical loads of industrial enterprises] Elektricheskie
nagruzki promyshlennyykh predpriyatiy. [By] S.D.Volobrinskii
i dr. Moskva, Izd-vo "Energiia," 1964. 303 p.
(MIRA 17:8)

VENIKOV, V.A.; GLAZUNOV, A.A.; KAZAK, N.A.; LITVAK, V.L.;
SYROMYATNIKOV, I.A.

Concerning the training of engineers-electricians in the
field of "electric power supply of industrial enterprises
and cities." Elektrichestvo no.2:94-95 F '64.

(MIRA 17:3)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Comparison of the effectiveness of using asynchronous and synchronous
electric motors in mechanisms with impact loads. Elektrichestvo
no.3:44-50 Mr '64. (MIRA 17:4)

BUDNITSKIY, A.B.; VENIKOV, V.A.; GIZILA, Ye.P.; GREBEN', I.I.;
IYERUSALIMOV, M.Ye.; KALNIBOLOTSKIY, M.L.; KONDRA, B.N.;
LOYEV, Ye.G.; NESTERENKO, A.D.; PAVLOV, V.M.; POSTNIKOV, I.M.;
POBEGAYLO, K.M.; RADCHENKO, L.A.; SVECHNIKOV, L.V.; SYROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; FEDCHENKO, I.K.; KHODOROV, S.Ye.;
CHIZHENKO, I.M.; TSUKERNIK, L.V.

Professor Vasili Grigor'evich, 1904 -; on his 60th birthday.
Elektrichestvo no.4:93-94 Ap '64. (MIRA 17:4)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof. (Moskva)

Some problems of using probability and statistical methods in power
engineering. Elektrichestvo no.8:45-47 Ag '64.

(MIRA 17:11)

SYROMYATNIKOV, I.A.

Self-starting and starting with the short-circuit rotors of
AFZ-4500-1500 electric motors. Gaz. prom. 9 no.1:49-50 '64.
(MIRA 17:12)

BORISENKO, N.I.; BUTKEVICH, G.V.; VORONETSKIY, B.B.; VASIL'YEV, D.V.;
DROZDOV, N.G.; DUBINSKIY, L.A.; ZALESSKIY, A.M.; KASATKIN, A.S.;
KOSTENKO, M.P.; KUZNETSOV, P.I.; KULEBAKIN, V.S.; MAMIKONYANTS,
L.G.; MEL'NIKOV, N.A.; NEYMAN, L.P.; PETROV, I.I.; RABINOVICH, S.I.;
SAMOKHVALOV, V.A.; SOLODOVNIKOV, V.V.; STEKLOV, V.Yu.; SIROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; CHILIKIN, M.G.; SHATALOV, A.S.; ZHEKULIN, I.A.

Petr Ivanovich Voevodin, 1884- ; on his 80th birthday. Elektrichestvo
no. 9.92 S '64. (MIRA 17:10)

L 11547-66 EWT(d)/EWP(k)/EWP(1)

ACC NR: AP6005029

SOURCE CODE: UR/0105/65/000/001/0091/0092

AUTHOR: Azimov, H. A.; Alizade, A. A.; Aslanov, R. K.; Guseynov, F. G.;
Dzhuvarly, Ch. M.; Yel'yashevich, Z. B.; Kadymov, Ya. B.; Kulizade, K. N.;
Kyazimzade, Z. I.; Mamikonyants, L. G.; Petrov, I. I.; Rustamzade, P. B.;
Spirin, A. A.; Syromyatnikov, I. A.; Esibyan, M. A.; Efendizade, A. A.

ORG: none

TITLE: Professor Boris Maksimovich Plyushch

SOURCE: Elektrichestvo, no. 1, 1965, 91-92

TOPIC TAGS: electric engineering, electric engineering personnel, petroleum engineering personnel, petroleum engineering

ABSTRACT: Brief biography of subject, a doctor of technical sciences and head of Department of Electric Power and Automation in Industry at the Azineftekhim (Azerbaijani Petrochemical Institute), on the occasion of his 60th birthday in October 1964. Graduating from Azerbaijani Polytechnical Institute imeni Azizbekov, subject worked in Caspian shipping industry and later headed the designing division at the Azerbaijani department of Elektroprom. With Azineftekhim since 1927, starting as laboratory assistant; department head since its formation in 1938; deputy dean of power engineering division in 1943-45. One of top Soviet experts on the electric power supply and electrical equipment of the petroleum industry, he has trained many engineers and scientists for this field and is the author of over 60 published works and inventions. Widely known are his works on

UDC: 621.313.1/:3

Card 1/2

L 11547-66

ACC NR: AP6005029

determining power losses in drilling. He was the first to investigate the problem of selecting the most suitable power characteristics with due consideration for wave-like torque distribution along the drilling string. He did research on the automatic regulation of drill feed, critical roller-bit speeds, self-starting electrical pumps, etc. A party member since 1945, subject has been awarded the Order of the Red Banner of Labor. Orig. art. has 1 figure. JPRS

SUB CODE: 09, 13 / SUBM DATE: ¹⁴ none

HW
Card 2/2

AZIMOV, B.A.; ALIZADE, A.A.; ASLANOV, R.K.; GUSEYNOV, F.G.; DZHVARIY, Ch.M.;
YEL'YASHEVICH, Z.B.; KADYMOV, Ya.B.; KULIZADE, K.N.; KYAZIMZADE, Z.I.;
MAMIKONYANTS, L.G.; PETROV, I.I.; RUSTAMZADE, P.B.; SPIRIN, A.A.;
SYROMYATNIKOV, I.A.; ESIBYAN, M.A.; EFENDIZADE, A.A.

Professor Boris Maksimovich Pliushch, 1904- ; on his 60th birthday.
(MIRA 18:7)
Elektrichestvo no.1:91-92 Ja '65.

L 19096-66

ACC NR: AP6004977

SOURCE CODE: UR/0105/65/000/003/0090/0090

AUTHOR: Alekseenko, G. V.; Borisenko, N. I.; Voronetskiy, B. B.; Gladilin, L. V.; Druzhinin, N. N.; Petrov, I. I.; Syromyatnikov, I. A.; Tishchenko, N. A.; Chernichkin, D. S.; Chilikin, M. G.

ORG: none

TITLE: Professor Vyacheslav Semenovich Tulin on his 60th birthday

SOURCE: Elektrichestvo, no. 3, 1965, 90

TOPIC TAGS: mechanical engineering personnel, electric engineering personnel

ABSTRACT: Professor V. S. TULIN was born in November 1904 and graduated from the Kharkov Engineering Institute in 1925. He has since then specialized in the application of electric drives for the mining industry, in low-voltage apparatus and more recently in automation. At the present time he is the chairman of the Department of Automation and Control Machinery at the Moscow Institute of Radio-Electronics and Mining Electromechanics. He has made major contributions in his field: he is the author of 80 published works including a textbook on the automation of production processes in the mining industry; he also received an award in 1948 in connection with the Donets Basin development. He now participates in ministerial councils and committees concerned with scientific-research work, industrial coordination, also secondary and higher education. Orig. art. has: 1 figure. JPRS

SUB CODE: 13, 09 / SUBM DATE: none
Card 1/1 H(W)

UDC: 621.34:65.011.56

34
B

L 11051-66

ACC NR: AP6004792

SOURCE CODE: UR/0105/65/000/005/0090/0090

AUTHOR: Burgsdorf, V. V.; Gortinskij, S. M.; Drozdov, N. G.; Kulakovskij, V. B.;
Lindorf, L. S.; Mel'nikov, N. A.; Petrov, I. I.; Portnoj, M. K.; Syromyatnikov, I. A.;
Fedoseyev, A. M.; Khachaturov, A. A.; El'kind, Yu. M.

78
38

ORG: none

TITLE: Doctor of engineering sciences, Professor L. G. Mamikonyants

B

SOURCE: Elektrichestvo, no. 5, 1965, 90

TOPIC TAGS: electric engineering personnel, electric engineering

ABSTRACT: The article was written in honor of Lev Grazdanovich Mamikonyants on the occasion of his 50th birthday and upon his completion of 30 years of scientific and industrial activity. He graduated from the Azerbaijani Industrial Institute in 1938, whereupon he worked at the Central Industrial Research Institute of Azenergo first as Electrical Engineer and then as Chief Engineer. His scientific activity began during the student years at the university laboratories for electrical machinery and high-voltage techniques. From 1941 to 1945 he served in the Soviet Army and became a member of the Communist Party in 1942. Since 1945 he has been working with the VNIIE (All-Soviet Scientific Research Institute of Electric Power) at the State Industrial Commission on Power and Electrification of the USSR, in charge of the Electrical Machinery Laboratory now and also as head of the Department of Electrical Machinery, Insulation and Automation. Since 1953 he has also been the Vice-Director of the Institute of Scientific Affairs. He received the degree of Doctor of

UDC: 621.331

Card 1/2

2

L D051-66
ACC NR: AP6004792

Engineering Sciences in 1959 and was appointed Professor in 1961. Much theoretical and practical work has been done under his leadership at the Electrical Machinery Laboratory which he helped to set up. Problems concerning the theory of synchronous machines leading to their improved operation were worked out here (asynchronous condition after loss of excitation, simplified method of compensator starting, self-synchronization of generators, etc.). L. G. Mamikonyants is also active in scientific research coordinating committees on power and electrification in the USSR. He sits also on the Committee for the Determination of Electrical Equipment Parameters and on the Joint Scientific Council of the Moscow Power Institute. Furthermore, he is on the editorial board of Elektrichestvo. During his entire career he has published about 60 works, many of them resulting from basic research. At the Moscow Power Institute he taught a course on "Special Problems in Electric Power Stations" from 1952 to 1954 and on "Testing of Synchronous Machines" from 1953 to 1954. The texts of his lectures were printed in the form of a compendium. He is very effective in training the young generation of students and assisting them in earning their degrees. L. G. Mamikonyants participates in the activities of the VNIIE both as recruiter and as lecturer. Orig. art. has 1 figure. JPRS

SUB CODE: 09 / SUBM DATE: none

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^M
Card 2/2

MAMTKONYANTS, I.G., doktor tekhn. nauk, prof. (Moskva); SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof. (Moskva); TER-GAZARYAN, G.N., doktor tekhn. nauk (Moskva)

Studies of special modes of operation of synchronous machines in the U.S.S.R. Elektrichestvo no.7:5-11 J1 '65. (MIRA 18:7)

BUREVSKY, V.V.; GORTINSKIY, S.M.; DROZDOV, N.G.; KULAKOVSKIY, V.B.; LINDORF, L.S.; MEL'NIKOV, N.A.; PETROV, I.I.; PORTNOY, M.K.; SYROMYATNIKOV, I.A.; FEDOSEYEV, A.M.; KHACHATUROV, A.A.; EL'KIND, Yu.M.

Lev Grazdanovich Mamikchians; on his 50th birthday and the 30th anniversary of his scientific and practical work. Elektrichesstvo no.5:90 My '65. (MIRA 18:6)

BOL'SHAM, Ya.M.; VINOGRADOV, A.A.; VOLOBRINSKIY, S.D.; GEYLER, L.B.; GRUDINSKIY, P.G.; DOLGINOV, A.I.; ZIL'BERMAN, R.I.; KAZAK, N.A.; KLETENIK, B.I.; KNYAZEVSKIY, B.A.; LIVSHITS, D.S.; MEL'NIKOV, N.A.; MININ, G.P.; MUKOSEYEV, Yu.L.; NAYFEL'D, M.R.; PETROV, I.I.; RAVIN, V.I.; SAMOVER, M.L.; SERBINOVSKIY, G.V.; SYROMYATNIKOV, I.A.

Lev Veniaminovich, 1905, on his 60th birthday. Prom. energ. 20
no. 9:43 S '65. (MIRA 18:9)

NEPOROZHNIY, P.S.; SAVINYKH, A.P.; SAPOZHNIKOV, F.V.; SERDYUKOV, N.P.;
ACHKASOV, D.I.; BURGSDORF, V.V.; NEMOV, N.P.; SYROMYATNIKOV, I.A.;
KNYAZEVSKIY, B.A.; ROKOTYAN, S.S.; STEKLOV, V.Yu.; FEDOSEYEV, A.M.;
GRUDINSKIY, P.S.; KHOMYAKOV, M.V.; VENIKOV, V.A.; CHERNOBROVOV, N.V.;
MEL'NIKOV, N.A.; BERSHADSKIY, I.S.

Aleksandr Dmitrievich Romanov, 1905; on his 60th birthday. Elek.
sta. 36 no.11:94 N '65. (MIRA 18:10)

SYROVATNIKOV, A.I., doktor tekhn. nauk., prof.

Synchronous motor as an important element of electrical supply systems
of industrial plants. Elektrotehnika 36 no.8:4-7 Ag '65.
(MIRA 18:9)

SYROMYATNIKOV, I.A., doktor tekhn. nauk

Determination of the installed power of the power plants of consolidated power systems. Elek. sta. 36 no.11:42-47 N '65.
(MIRA 18:10)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.

Principal trends in the development of electric power distribution networks. Izv. vys. ucheb. zav.; energ. 8 no.11:95-100 N '65. (MIRA 18:11)

1. Moskovskiy ordena Lenina energeticheskiy institut.

ATABEKOV, G.I.; BELOUSOV, M.M.; BULGAKOV, K.V.; VASIL'YEV, D.V.;
YEGIZAROV, I.V.; ZAKHAROV, S.N.; ZEYLIDZON, Ye.D.; KOSTENKO, M.P.;
MANOYILOV, V.Ye.; MARNEVSKIY, B.I.; RYZHOV, P.I.; SOLOV'YEV, I.I.;
SYROMYATNIKOV, I.A.; FABRIKANT, V.L.; CHERNIN, A.B.; CHERNOBROVOV,
N.V.; FEDOSEYEV, A.M.; SHABADASH, B.I.; SHCHEDRIN, N.N.;
FATEYEV, A.V.

Viktor Ivanovich Ivanov, 1900-1964; an obituary. Elektrichestvo
(MIRA 18:2)
no.11:89 N '64.

ALEKSEYENKO, G.V.; BORISENKO, N.I.; VOYEVODIN, I.D.; DROZDOV, N.G.; KRAYZ, A.G.;
MAN'KIN, E.A.; MAYORETS, A.I.; NEKRASOV, A.M.; NAYASHKOV, I.S.; PAVLENKO,
A.S.; ROKOTYAN, S.S.; SOBOLEV, A.A.; SYROMYATNIKOV, I.A.; SAPOZHNIKOV,
A.V.; SARKISOV, M.A.; CHERNICHKIN, D.S.; CHERTIN, A.M.

Samuil Isaakovich Rabinovich, 1905; on his 60th birthday. Elektri-
chestvo no.6:90 Je '65. (MIRA 18:7)

ANDRIANOV, V.N.; BUDZKO, I.A.; VENIKOV, V.A.; DEMIN, A.V.; GORODSKIY, D.A.;
GRUDINSKIY, P.G.; ZAKHARIN, A.G.; KRASNOM, V.S.; LEVIN, M.S.; LISTOV,
P.N.; MARKOVICH, I.M.; MEL'NIKOV, N.A.; NAZAROV, G.I.; RAZEVIG, D.V.;
SMIRNOV, B.V.; STEPANOV, V.N.; SYROMYATNIKOV, I.A.; FEDOSEYEV, A.M.;
YAKOBS, A.I.

Doctor of technical sciences, Professor Lev Efimovich Ebin, 1905-; on
his 60th birthday. Elektricheskaya no.6:91 Je '65.

(MIRA 18:7)

BAMDAS, A.M.; BOL'SHAM, Ya.M.; BORCHANINOV, G.S.; GLAZUNOV, A.A.; ZALESSKIY, A.M.; KONSTANTINOV, B.A.; LIVSHITS, D.S.; LYCHKOVSKIY, V.L.; MILLER, G.R.; PETROV, I.I.; PLESKOV, V.I.; SAMOVAR, M.L.; SYROMYATNIKOV, I.A.; CHILIKIN, M.G.

Professor IUrii Leonidovich Mukoseev; 1905, on his 60th birthday.
Elektrichestvo no.6;91 Je '65. (MIRA 18:7)

CHALYY, G.V.; SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.

Increase of the frequency of alternating current and determination
of its optimal value in long-term electrification of the U.S.S.R.
Elektrичество no.12:80-82 D '64. (MIRA 18:12)

1. Chlen-korrespondent AN Moldavskoy SSR (for Chalyy).

L 27948-66

ACC NR: AP6017708

SOURCE CODE: UR/0105/66/000/001/0085/0086

AUTHOR: Bertinov, A. I.; Voronetskiy, B. B.; Gendel'man, B. R.; Girshberg, V. V.; Gromov, V. I.; Druzhinin, N. N.; Kunitskiy, N. P.; Naumenko, I. Ye.; Petrov, I. I.; Vetrov, G. N.; Rusakov, V. G.; Silayev, E. F.; Slezhanovskiy, O. V.; Syromyatnikov, I. A.; Tulin, V. S.; Filin, N. M.; Tselikov, A. I.; Chilikin, M. G.; Yun'kov, M. G.

ORG: none

TITLE: Engineer N. A. Tishchenko (on his 60th birthday)SOURCE: Elektrichestvo, no. 1, 1966, 85-86

TOPIC TAGS: electric engineering personnel, metallurgic furnace, electric equipment

ABSTRACT: Nikolay Afanas'yevich Tishchenko completed the Khar'kov Electrotechnical Institute in 1930, after working as an electrician in a Metallurgical plant from 1923-1926. He was active in the development of domestically produced electrical equipment for rolling mills and metallurgical furnace works. He was active during WWII in restoring electrical equipment damaged by the Germans. After the war, he was active in developing electrical drive equipment for both domestic and foreign metallurgical plants. He has been active in scientific work, publishing over 45 works in such varied fields as electric drives, equipment reliability and productivity of labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none

UDC: 621.34

Card 1/1 BLG

L 27947-66

ACC NR: AP6017709

SOURCE CODE: UR/0105/66/000/001/0086/0086

AUTHOR: Avilov-Karnaukhov, B. N.; Bol'sham, Ya. M.; Venikov, V. A.; Volobrinskiy, S. D.; Yermilov, A. A.; Konstantinov, B. A.; Knyazevskiy, B. Ye.; Minin, G. P.; Miller, G. R.; Mukoseyev, Yu. L.; Petrov, I. I.; Serbinovskiy, G. V.; Syromyatnikov, I. A.; Fedorov, A. A.; Kholmskiy, G. V.; Shagalov, A. S.; Chilikin, M. G.

ORG: none

TITLE: Prof. Georgiy Mikhaylovich Kayalov (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 86

TOPIC TAGS: academic personnel, electric engineering personnel, electric equipment

ABSTRACT: In 1929, G. M. Kayalov completed the electrotechnical department of the Mechanical Faculty of the Novocherkassk Polytechnical Institute. Until 1947, he worked in the planning department of the Rostov Division of the All-Union Electrotechnical Union. In this time, he rose to the position of Chief Engineer. He directed the planning of a large number of important pieces of electrical equipment for various projects. He was active in the postwar restoration of many important industrial enterprises. He is the author of almost 70 published works, and has made a great contribution to modern, scientifically based methods of design and analysis of electrical loads for industrial equipment. He is on a number of commissions and in many scientific and technical societies. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 BLG

UDC: 621.34

L 22594-60 EWT(d)/EWP(k)/EWP(l)

ACC NR: AP6012999

SOURCE CODE: UR/0105/65/000/006/0090/0090

AUTHOR: Alekseyenko, G. V.; Borisenko, N. I.; Voyevodin, I. D.; Drozdov, N. G.; Krayz, A. G.; Man'kin, E. A.; Mayorets, A. I.; Nekrasov, A. M.; Nayashkov, I. S.; Pavlenko, A. S.; Rokotyan, S. S.; Sobolev, A. A.; Syromyatnikov, I. A.; Sapozhnikov, A. V.; Sarkisov, M. A.; Chernichkin, D. S.; Chertin, A. M.

ORG: none

TITLE: S. I. Rabinovich (on the occasion of his 60th birthday)

SOURCE: Elektrichestvo, no. 6, 1965, 90

TOPIC TAGS: electric engineering personnel, electric transformer, hydroelectric power plant

ABSTRACT: The chief specialist of transformer building of the Gosplan (State Planning Commission) USSR, Samuil Isaakovich Rabinovich was born in 1905 in the town of Borisoglebsk of the Voronezh Oblast'. From his student years at the Gosudarstvennyy elektromashinostroitel'nyy institut (State Machine-Building Institute) he already showed interest for power transformers. In the early thirties he designed the first types of domestic Soviet 110 and 220 kV transformers; in 1939 he became the chief designer of the Moskovskiy transformatornyy zavod (Moscow Transformer factory). In 1946, he conducted the design and construction of lightning-resistant transformers; during 1949-1954,

Card 1/2

UDC: 621.314(092)

L 22594-66

ACC NR: AP6012999

he headed the design of the 400 kV transformer equipment for the Volzhskaya hydroelectric power station - Moscow power line; his subsequent work on the 500 kV equipment earned him the Lenin prize. From 1960, he has been working at the Gosplan USSR. He is also a member of the editorial board of the journal Elektrичество (Electricity). Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10, 09 / SUBM DATE: none

Card 2/2 *bw*

L 22592-66

ACC NR: AP6013001

SOURCE CODE: UR/0105/65/000/006/0091/0091

AUTHOR: Andrianov, V. N.; Budzko, I. A.; Venikov, V. A.; Demin, A. V.; Gorodskiy, D. A.; Grudinskiy, P. G.; Zakharin, A. G.; Krasnov, V. S.; Levin, M. S.; Listov, P. N.; Markovich, I. M.; Mel'nikov, N. A.; Nazarov, G. I.; Razevig, D. V.; Smirnov, B. V.; Stepanov, V. N.; Syromyatnikov, I. A.; Fedoseyev, A. M.; Yakobs, A. I.

ORG: none

35
B

TITLE: Doctor of technical sciences, Professor L. Ye. Ebin (on the occasion of his 60th birthday)

SOURCE: Elektrичество, no. 6, 1965, 91

TOPIC TAGS: scientific personnel, electric network, lightning

ABSTRACT: Professor Lev Yefimovich Ebin, 60, graduated in 1928 from the Kiyevskiy elektrotekhnicheskiy institut (Kiyev Electrotechnical Institute). Between 1929 and 1936, he worked in the Donenergo system and published various original papers on lightning protection and grounding devices. From 1936 Ebin works at the Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (All-Union Scientific Research Institute for the Electrification of Agriculture) where he heads a laboratory. In 1937, he defended his candidate's dissertation and in 1951 his Ph. D. Thesis dealing with studies of the nonsymmetrical operating conditions of electrical networks and of stationary and nonstationary electro-thermal processes in the

Card 1/2 UDC: 621.31

L 22592-66

ACC NR: AP6013001

country. Those works served for further development of the rural distribution networks. He showed considerable interest in the problem of the raising of scientific personnel. Ebin was decorated with "Znak pocheta" and various medals. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2. *J.W.*

L 22573-66

ACC NR: AP6012975

SOURCE CODE: UR/0094/65/000/009/0043/0043

AUTHOR: Bol'shum, Ya. M.; Vinogradov, A. A.; Volobrinskiy, S. D.; Geyler, L. B.; Grudinskiy, P. G.; Dolginov, A. I.; Zil'berman, R. I.; Kazak, N. A.; Kletenik, B. I.; Knyazevskiy, B. A.; Livshits, D. S.; Mel'nikov, N. A.; Minin, G. P.; Mukoseyev, Yu. I.; Nayfel'd, M. R.; Petrov, I. I.; Ravin, V. I.; Samover, M. L.; Serbinovskiy, G. V.; Syromyatnikov, I. A.

ORG: none

TITLE: Lev Veniaminovich Litvak (on the occasion of his 60th birthday)

SOURCE: Promyshlennaya energetika, no. 9, 1965, 43

TOPIC TAGS: electric engineering personnel, electric power engineering

ABSTRACT: The noted specialist of industrial power production, Candidate of Technical Sciences, Docent of the Correspondence Power Institute Lev Veniaminovich LITVAK began his engineering activity at the Moscow Association of State Electric Stations in 1929. Later he became one of the coauthors of all the "Directives for the increase of the power factor" issued in 1954, 1955, and 1961. He published 70 scientific papers. For his successful activities in defense industries during World War II he was decorated by "Znak Pocheta." After the war he concentrated on scientific-pedagogical work and in recent years worked actively in

Card 1/2

L 22578-66

ACC NR: AP6012975

the Teaching-Methodological Commission of the Ministry of Higher and Intermediate Special Education USSR, for the specialty "Electrical supply to industrial enterprises and cities." Orig. art. has: 1 figure. [JPRS]

SUB CODE: 05, 10, 09 / SUBM DATE: none

Card 2/2 BK

L 3-166-66
ACC NR: AP6018090

SOURCE CODE: UR/0104/65/000/011/0094/004

AUTHOR: Noporozhniy, P. S.; Savinykh, A. P.; Sapozhnikov, F. V.; Sardynkov, N. P.; Achkasov, D. I.; Burgsdorf, V. V.; Nomov, N. P.; Syromyatnikov, I. A.; Knyazovskiy, B. A.; Nokotyan, S. S.; Steklov, V. Yu.; Fedoseyev, A. M.; Grudinsky, P. S.; Khomyakov, M. V.; Venikov, V. A.; Chernobrovov, N. V.; Mel'nikov, N. A.; Bershadskiy, L. S.

21
B

ORG: none

TITLE: Honoring the 60th birthday of Aleksandr Dmitriyevich Romanov

SOURCE: Elektricheskiye stantsii, no. 11, 1965, 94

TOPIC TAGS: electric power plant, industrial personnel

ABSTRACT: In July 1965 A. D. Romanov celebrated his 60th birthday and the 35th anniversary of his active life as a major designer, operator, and builder of electric power stations. On his graduation in 1927 from the Moscow College of Engineering, Aleksandr Dmitriyevich joined the Mosenergo Moscow Power System where he steadily rose through the ranks until he became Deputy Chief Engineer, while at the same time participating in the design and practical introduction of 500-kV electric transmission lines running from Moscow to Volzhskaya Hydroelectric Power Station and from Kuybyshev to the Urals. Since 1959 A. D. Romanov has been Chief Engineer at the Glavvostoekletrosot'stroy Main Administration for Power Grid Construction in Eastern USSR of the

Card 1/2

ACC NR: AR6018890

State Production Committee for Energetics and Electrification USSR. Along with his active work, since 1930 A. D. Romanov has been teaching courses in Power Networks and Systems as well as in Power Stations and Substations at the Moscow Correspondence Institute of Energetics and, later, at the All-Union Correspondence Institute of Energetics, and, in this capacity, has trained new cadres of power engineers. In 1957 the title of Assistant Professor was conferred on him and in 1963, the title of Candidate of Technical Sciences. He has published more than 40 scientific and technical articles on power engineering and construction and he is a member of the editorial boards of the periodical anthologies Energeticheskoye Stroitel'stvo (Power Construction) and Energeticheskoye Stroitel'stvo za Rubezhom (Power Construction Abroad). He has been a Party member since 1932 and is the bearer of the Order of Labor Red Banner as well as of various medals. Best wishes for further creative work are extended to him. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

Card 2/2 1C

ACC-NR: AP6027912

SOURCE CODE: UR/0105/66/000/006/0012/0017

AUTHOR: Greysukh, M. V. (Engineer); Syromyatnikov, I. A. (Deceased)

ORG: none

TITLE: The use of the 660-volt power standard in the national economy

SOURCE: Elektrichestvo, no. 6, 1966, 12-17

TOPIC TAGS: electric power production, economic program, power supply, electric power transmission

ABSTRACT: The article discusses the problems and transitions required in connection with the broad industrial use of 660-V power system, scheduled for introduction in the Soviet national economy. Economic gains and operational advantages to be derived from the switch-over to 660 V are discussed, necessary technical modifications in specific equipment types (transformers, electric motors, power plants, illumination equipment, etc.) are briefly reviewed, and network diagrams and representative circuitries are analyzed. The authors point out that the use of the 660-V system would result in considerably fewer losses of electric power in medium-output motors, trunk feed systems, and power distribution networks. The unit power of shop and plant transformer equipment is increased, and the number of high-voltage substations and radial lines is reduced. In addition, there is an increase in the upper limit of motor power. The execution of the 660-V power system requires 1.5 to 2 times fewer

Card 1/2

UDC: 621.3.015:338.40:621.13

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001654310013-7

AVAYEVA, S. M.; BOTVINIK, M. M.; SYROMYATNIKOV, I. F.

"Serylpyrophosphates and serylphosphates."

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SYROMYATNIKOV, I.S.

Results of the introduction of hydraulic percussion
drilling in the Dzhezkazgan field. Razved. i okh.nedr
31 no.4:16-20 Ap '65.

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1. Dzhezkazganskaya kompleksnaya geologorazvedochnaya
ekspeditsiya.

IVANOV, V.S.; YERMOLAYEVA, A.D.; SYROMYATNIKOV, K.A.

Device for the automatic determination of the carbamide content
in a solvent. Khim.i tekhnopl.i masel 7 no.9:46-50 S '62.
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(Urea) (Paraffin wax)

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Use of ion exchanging resins in the radiochemical analysis of natural objects. Report no.1: Concentration and separation of natural radioactive elements using the KU-2 cationite. Vest. AM Kazakh. SSR 14 no.4:60-66 Ap '58. (MIRA 11:6)
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Interphase isotopic exchange of uranium-234 and uranium-238.
Geokhimiia no.3:268-273 '60. (MIRA 14:5)

1. Institute of Geological Sciences, Academy of Sciences, Kazakh
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(Uranium—Isotopes)
(Phase rule and equilibrium)

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Thorium content of underground water. Vest. AN Kazakh. SSR 16
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SYROMYATNIKOV, Nikolay Grigor'yevich; NOVOKHTSKIY, I.P., otv. red.;
KOROTKOVA, Ye.A., red.; ROROKINA, Z.P., tekhn. red.

[Micgration of uranium, radium, and thorium isotopes and
interpretation of radioactive anomalies] Migratsiia izoto-
pov urana, radiia i toria i interpretatsiia radioaktivnykh
anomalii. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1961. 77 p.
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isotopes. Izv. AN Kazakh. SSR. Ser. geol. no. 3:73-82 '61.
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